

§112 Rejections

In Section 2 of the Office Action, the Examiner has rejected claim 4 under 35 U.S.C. §112, second paragraph, as being indefinite. As noted above claim 4 has been amended to clarify the language addressed by this rejection and so it is submitted that claim 4 is not indefinite as stated by the Examiner. Accordingly, it is submitted that the Examiner's rejection of claim 4 based upon 35 U.S.C. §112, second paragraph, has been overcome by the present remarks and withdrawal thereof is respectfully requested.

§102 Rejections

In Section 4 of the Office Action, the Examiner has rejected claims 1-3 and 7-8 under 35 U.S.C. §102(e) as being anticipated by Rangan et al. (U.S. Patent 6,154,771; hereafter referred to as "Rangan"). It is respectfully submitted that Rangan, as relied upon by the Examiner, does not disclose or suggest claims 1-3 and 7-8.

Claim 1 of the present application calls for:

A transmitting method comprising steps of:
multiplexing a signal of a picture including a selectable object, with information relevant to the selectable object in the picture, with a visible symbol to which reference is made when selecting the selectable object, being presented in the picture correspondingly to the selectable object, wherein said selectable object is displayed at a position in the picture indicated in a predetermined address included in the relevant information of the selectable object; and
transmitting the multiplexed picture signal;
the relevant information being displayed by selecting the selectable object referring to the symbol.

Accordingly, the picture includes a selectable object. Information relevant to the selectable object is multiplexed with the picture signal. The relevant information for the

selectable object includes a predetermined address. The selectable object is displayed at a position in the picture indicated by the predetermined address.

The portions of Rangan referenced by the Examiner do not appear to disclose or suggest claim 1. In particular, Rangan as relied upon by the Examiner does not appear to disclose or suggest displaying a selectable object at a position in a picture indicated by a predetermined address, as called for in claim 1. While the Examiner does refer to portions of Rangan that appear to address a picture and “hotspots” in the picture, it does not appear that the portions of Rangan referenced by the Examiner address displaying a selectable object using a predetermined address as called for in claim 1. Therefore, the portions of Rangan referenced by the Examiner do not appear to disclose or suggest claim 1. Accordingly, it is respectfully submitted that Rangan, as relied upon by the Examiner, does not anticipate or suggest claim 1, and so also does not anticipate or suggest claims 2-6 that depend therefrom. Similar arguments apply to claims 7-10.

Based upon the foregoing, it is submitted that claims 1-3 and 7-8 are not anticipated by nor rendered obvious by the teachings of Rangan as relied upon by the Examiner. Accordingly, it is submitted that the Examiner’s rejection of claims 1-3 and 7-8 based upon 35 U.S.C. §102(e) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

§103 Rejections

In Section 6 of the Office Action, the Examiner has rejected claims 5-6 under 35 U.S.C. §103(a) as being unpatentable over Rangan. It is respectfully submitted that Rangan, as relied upon by the Examiner, does not disclose or suggest claims 5-6.

Claim 5 of the present application calls for the method of claim 1, wherein the address indicates a start point of a picture data zooming by which within a picture, another picture is gradually zoomed in. Accordingly, the address included in the relevant information of the selectable object indicates the start point for zooming another picture within the picture. While the Examiner contends that zooming is well known, it does not appear that the Examiner has explained how Rangan discloses or suggests using the address included in the relevant information of the selectable object to indicate the start point for zooming another picture within the picture, as called for in claim 5. Therefore, it is submitted that Rangan, as relied upon by the Examiner, does not disclose or suggest claim 5, and so also does not disclose or suggest claim 6 that depends therefrom. Were this rejection applied to new claims 9 and 10, it is submitted that similar arguments would apply to that rejection.

Furthermore, claim 5 depends from claim 1. Claim 6 depends from claim 5 and so also depends from claim 1. As discussed above, it is submitted that Rangan, as relied upon by the Examiner, does not disclose or suggest claim 1. Therefore, it is respectfully submitted that Rangan, as relied upon by the Examiner, does not anticipate or suggest claims 5 and 6, through their dependence on claim 1.

Based upon the foregoing, it is submitted that claims 5-6 are not anticipated by nor rendered obvious by the teachings of Rangan as relied upon by the Examiner. Accordingly, it is submitted that the Examiner's rejection of claims 5-6 based upon 35 U.S.C. §103(a) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

New claims

New claims 9 and 10 depend from claims 7 and 8, respectively. As discussed above, it is submitted that Rangan, as relied upon by the Examiner, does not disclose or suggest claims 7 and 8, and so also does not disclose or suggest claims 9 and 10.

Conclusion

In view of the foregoing, entry of this amendment, and the allowance of this application with claims 1-10 is respectfully solicited.

In regard to the claims amended herein and throughout the prosecution of this application, it is submitted that these claims, as originally presented, are patentably distinct over the prior art of record, and that these claims were in full compliance with the requirements of 35 U.S.C. §112. Changes to these claims, as presented herein, are not made for the purpose of patentability within the meaning of 35 U.S.C. §§101, 102, 103 or 112. Rather, these changes are made simply for clarification and to round out the scope of protection to which Applicants are entitled.

In the event that additional cooperation in this case may be helpful to complete its prosecution, the Examiner is cordially invited to contact Applicants' representative at the telephone number written below.

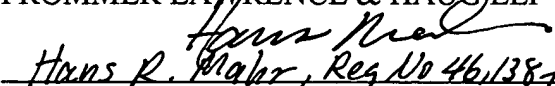
The Commissioner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account 50-0320.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached page is captioned "Version with Markings to Show Changes Made."

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE TITLE:

The title has been rewritten as follows:

-- TRANSMITTING METHOD, AND RECEIVING APPARATUS AND METHOD
AND RECEIVING A SIGNAL OF A PICTURE INCLUDING RELATED INFORMATION--

IN THE CLAIMS:

As shown below, claims 1, 4, 5, 7, and 8 have been rewritten, and new claims 9 and 10 have been added.

Claims 1, 4, 5, 7, and 8 have been rewritten as follows:

--1. (Amended) A transmitting method comprising steps of:

 multiplexing a signal of a picture including a selectable object, with information relevant to the selectable object in the picture, with a visible symbol to which reference is made when selecting the selectable object, being presented in the picture correspondingly to the selectable object, wherein said selectable object is displayed at a position in the picture indicated in a predetermined address included in the relevant information of the selectable object; and

 transmitting the multiplexed picture signal;

 the relevant information being displayed by selecting the selectable object referring to the symbol.--

--4. (Amended) The method as set forth in Claim 1, wherein:

one or more ~~than one or two~~ channels carrying information relevant to the selectable object are used for the signal of the picture including the selectable object; and
the information channels are selected by entering, by select keys of an input means, a symbol of a channel number with which reference is made to the channels.--

--5. (Amended) The method as set forth in Claim 1, wherein ~~the relevant information multiplexed with the picture signal further includes an address of the selectable object; the address indicating~~ indicates a start point of a picture data zooming by which within a picture, ~~other another~~ picture is gradually zoomed in.--

--7. (Amended) A receiver for receiving a picture signal of a picture multiplexed with information relevant to a selectable object included in ~~a the~~ picture and ~~which have presented~~ presenting in the picture a visible symbol corresponding to the selectable ~~signal~~ object, the apparatus comprising:

means for displaying the picture of the received a-picture signal including at least one selectable object;

an input means for receiving the symbol corresponding to ~~the a~~ selected object; and

means for controlling the displaying means to display the information relevant to the selected object correspondingly to the symbol received by the input means,

wherein said selected object is displayed at a position in the picture according to a predetermined address included in said information relevant to said selected object.--

--8. (Amended) A receiving method of receiving a picture signal of a picture multiplexed with information relevant to a selectable object in ~~a~~ the picture and ~~which have presented~~ presenting in the picture a visible symbol corresponding to the selectable ~~signal~~ object, the method comprising steps of:

displaying the picture of the received picture signal including at least one selectable object; and

receiving a symbol corresponding to a selected object; and

controlling ~~for the displaying means~~ to display the information relevant to the selected object correspondingly to the received symbol,

wherein said selected object is displayed at a position in the picture according to a predetermined address included in said information relevant to said selected object.--

New claims 9 and 10 have been added as follows:

--9. (New) The receiver as set forth in Claim 7, wherein said address indicates a start point of a picture data zooming.--

--10. (New) The method as set forth in Claim 8, wherein said address indicates a start point of a picture data zooming.--

END AMENDMENT